

DP50749-01

Panel: Self Test

Panel is capable of generating internal patterns without the Main Signal Board attached. (rotating: white / red / green / blue / and various other patterns)

This test eliminates Main Signal Board from circuit and confirms if panel itself is operating properly.

1) Unplug these connectors from SMPS and Logic Board.

P813 (SMPS)

P121 (LOGIC BD., LVDS Cable must be unplugged)

2) Short the pins together on Logic Bd. (drawing attached)

3) Apply AC power: If the panel and its PCBs are working, it will energize, just as soon as pins are shorted. The panel will have several rotating patterns on the screen.

note 1 :

Power cord can still be attached to AC Filter, or power can be applied directly to SMPS.

(recommend that AC Filter be used for ease of connection, but can be bypassed if needed)

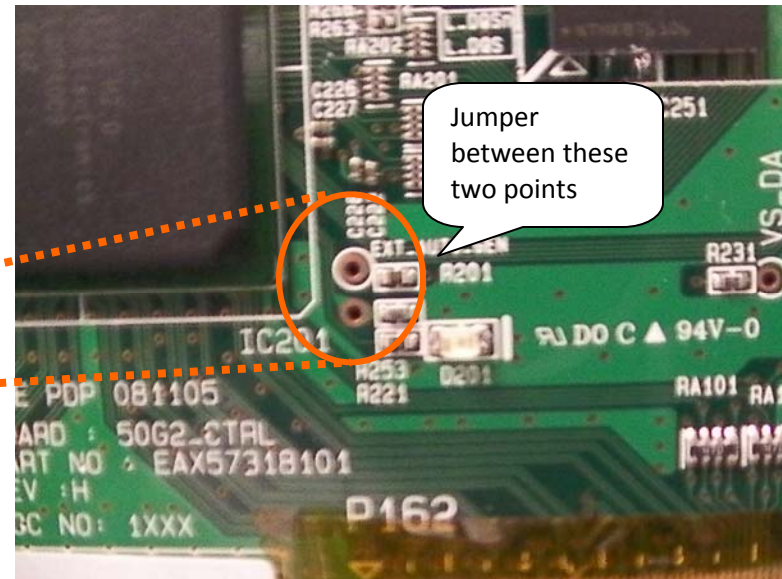
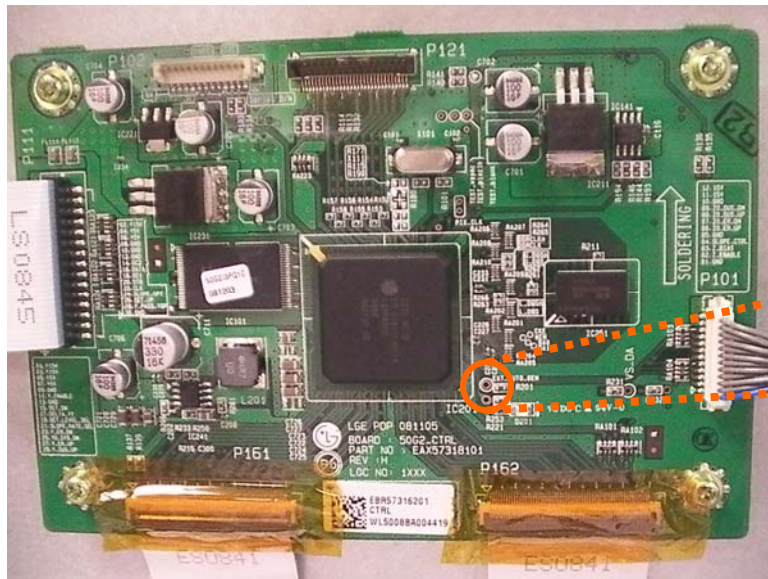
Note 2:

Do not push the Pwr Key (the Main is not connected)

note 3:

no audio is available with panel self test

LG PANEL FOR DP50749/ J4FF



Logic Board

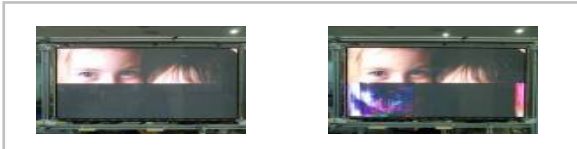
For Panel Self Test to Run:

- 1) Must unplug LVDS Cable between Main Bd. & Logic Bd..
- 2) Must unplug cable between Pwr Bd. (P813) and Main Bd. (K8P & K8B)
- 3) Short the above two points on the Logic Bd.

1. SVC Guide for Black Half Image (PDP50G2T000)

1. Defect Phenomenon

: Black half image or Abnormal half image



2. **PDP module Model:** PDP50G2T0000
DP50749-01 (J4FF)

4 RETAINERS PER TV

3. Cause

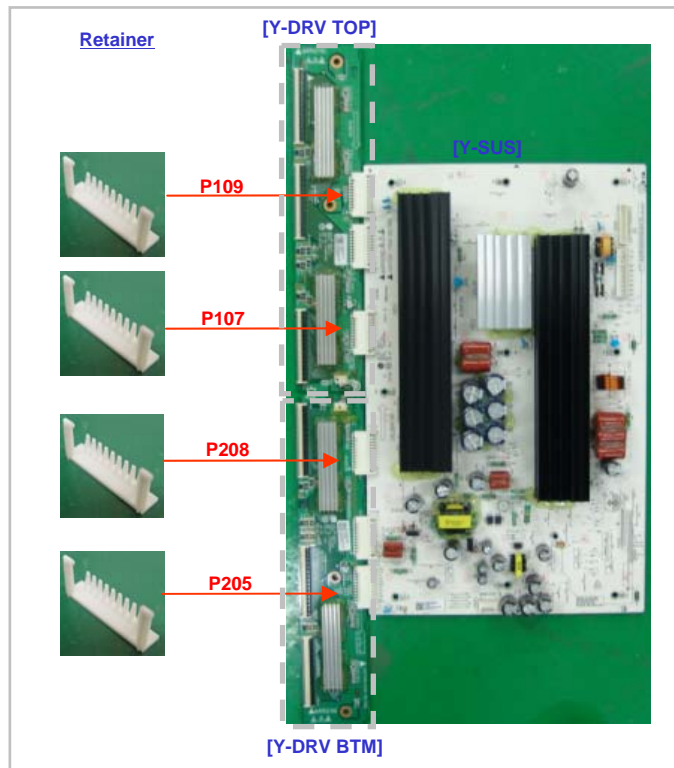
: insufficient connection between Y-DRV B/D and Y-SUS B/D

4. Countermeasure

- 1) Insert Retainer 4EA in Y-DRV B/D Connector
- 2) Retainer Part Number: **EAG61050702**
- 3) **Y-DRV B/Ds don't need to be replaced.**
- 4) **If Y-DRV failure occurs,**
normal Y-DRV and retainer should be replaced.

5. SVC Guide for retainer

- 1) Connect Y-DRV and Y-SUS B/D
- 2) Insert and push the retainer until click sound is heard.



Notice



- ☐ CORRECTION
 ☒ PRODUCTION CHANGE
☐ SERVICE FLASH
 ☐ ADD INFORMATION

FILE NO.

REVISION 0

Please add this notice to the Service Manual listed below.

Category: COLOR TELEVISION Date: OCTOBER / 29 / 2009
 Model: DP50749 Effective from : Chassis No. P50749-01
 Destination: U.S.A. / CANADA REF : No. SM780163-01

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual. **If the Service Manual Chassis No. does not match the unit's**, additional Service Literature is required. This chassis is similar to Chassis No. P50749-00. Only the **difference** Service Information is given in this manual. For detailed Service Information, refer to the **Original** Service Manual and **Notices** for Chassis No. P50749-00 used in Model DP50749 (SM780163).

SERVICING SHOULD BE PERFORMED BY ONLY TRAINED AND QUALIFIED SERVICE PERSONNEL.

1. IN THE SERVICE ADJUSTMENTS

PAGE 4 ON-SCREEN SERVICE MENU

Item No. **088 OP2 Data** should be changed from **3Ch** to **3Dh** in the table and in Note 2.

2. IN THE CHASSIS ELECTRICAL PARTS LIST MISCELLANEOUS

The reason for change.

- A : Misprint B : Quality Reliability C : Standardization
 D : Design E : Add as a possible sub F : Schematic location change
 G : Purchasing Request

Page & Section	Schematic Location		Part No.	Description	Q'ty	Interchange-ability	Reason
Page 14, Chassis Electrical Parts List	D002	Old	N/A	NOT USED	0	NO	D
		New	DD1SS352----G	DIODE 1SS352-(TPH3)	1	NO	
Page 21, Chassis Electrical Parts List	▲ EL901	Old	1AV4T44B02600	PDP MODULE	1	NO	D
		New	1AV4T44B02500	PDP MODULE	1	NO	
Page 14, Chassis Electrical Parts List	L1626	Old	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W	1	NO	D
		New	N/A	NOT USED	0	NO	
Page 15, Chassis Electrical Parts List	L1660	Old	N/A	NOT USED	0	NO	D
		New	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W	1	NO	

Page & Section	Schematic Location		Part No.	Description	Q'ty	Interchangeability	Reason
Page 15, Chassis Electrical Parts List	Q1604	Old	T2SC2411K-Q-P	TR 2SC2411K-T146-Q	1	NO	D
		New	N/A	NOT USED	0	NO	
Page 16 Chassis Electrical Parts List	Q1803	Old	T2SC3928A1R-P	TR 2SC3928A1S	1	NO	D
		New	N/A	NOT USED	0	NO	
Page 16 Chassis Electrical Parts List	R027	Old	N/A	NOT USED	0	NO	D
		New	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W	1	NO	
Page 17 Chassis Electrical Parts List	R1600	Old	N/A	NOT USED	0	NO	D
		New	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W	1	NO	
Page 18 Chassis Electrical Parts List	R1686	Old	RGF2700JTCANL	MT-GLAZE 270 JA 1/10W	1	NO	D
		New	N/A	NOT USED	0	NO	
	R1687	Old	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W	1	NO	D
		New	N/A	NOT USED	0	NO	
	R1688	Old	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W	1	NO	D
		New	N/A	NOT USED	0	NO	
	R1812	Old	N/A	NOT USED	0	NO	D
		New	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W	1	NO	
	R1813	Old	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W	1	NO	D
		New	N/A	NOT USED	0	NO	
	R1816	Old	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W	1	NO	D
		New	N/A	NOT USED	0	NO	
Page 20 Chassis Electrical Parts List	R1818	Old	N/A	NOT USED	0	NO	D
		New	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W	1	NO	
	R1824	Old	N/A	NOT USED	0	NO	D
		New	1LB4L26B0700G	INDUCTOR, 120 OHM	1	NO	
	R1832	Old	N/A	NOT USED	0	NO	D
		New	1LB4L26B0700G	INDUCTOR, 120 OHM	1	NO	
	R6307	Old	N/A	NOT USED	0	NO	D
		New	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W	1	NO	
	R6316	Old	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W	1	NO	D
		New	N/A	NOT USED	0	NO	

Page & Section	Schematic Location		Part No.	Description	Q'ty	Interchangeability	Reason
Page 20, Chassis Electrical Parts List	R6319	Old	N/A	NOT USED	0	NO	D
		New	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W	1	NO	
	R6323	Old	N/A	NOT USED	0	NO	D
		New	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W	1	NO	
Page 16, Chassis Electrical Parts List	R816	Old	N/A	NOT USED	0	NO	D
		New	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W	1	NO	
	R824	Old	N/A	NOT USED	0	NO	D
		New	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W	1	NO	
	R841	Old	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W	1	NO	D
		New	N/A	NOT USED	0	NO	
	R842	Old	N/A	NOT USED	0	NO	D
		New	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W	1	NO	
Page 21, Chassis Electrical Parts List	▲ WKL -PN	Old	1AA4W30B56400	CORD 50INCH,40P-31P(LVDS)	1	NO	D
		New	1AA4W30B56300	CORD 50INCH,40P-31P(LVDS)	1	NO	

For parts or service contact:

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